

ABSTRACT

A force feedback apparatus of the present invention includes: jetting means that includes a nozzle and that can control a jet amount or a jet direction of gas or liquid jetted from the nozzle; jet control means for controlling the jet amount or the jet direction of the gas or the liquid according to a position or an orientation of a receiver that receives pressure by the gas or the liquid jetted from the jetting means so as to provide force feedback to an operator. When the receiver has a concave shape of a diameter D, intervals for placing the nozzles in the jetting means are set such that at least one nozzle exists within a region having a diameter of a constant  $\times$  D.